In the Specification:

Please amend the specification as follows:

Page 1, first paragraph:

The present invention relates to a production system including an industrial robot and a ~~detecton~~ detection system for localization of objects. More precisely the invention relates to a method and system including an industrial robot and a vision system for extracting an object out of a plurality of objects in a continuous production flow. With objects in this context should be understood both objects which are identical as well as object or groups of objects that are different in shape, color softness and such. The objects arrive into the robot working range in a continuous stream on a conveyor, a rotating plate or the like, or they arrive in layers of a pallet.

Page 1, second paragraph:

It is known a system for sorting articles on a conveyor belt where the articles pass a detection area before entering a robot operation area. In the detection area the articles are identified by order of sort, position and orientation. This information is stored in a memory of the robot operating system. By this information the articles are picked, lifted and oriented by the robot and placed at a specified position in a reception area. A typical application of this system is ~~picketing~~ picking of chocolate pralines or cookies.

Paragraph bridging pages 2 and 3:

From US ~~6,401936~~ 6,401,936 a divert apparatus for a conveyor system is previously known. This is a sorting system for processing a disordered stream of items including three-dimensional non-flat articles. The apparatus regulates the flow of articles through the system by singulating a disordered stream. There is also means for mechanically increasing the spacing between the items and a gate for discharging articles from the stream. The known system is designed for one type of ~~articles~~ article only. When changing production the apparatus has to be re-adjusted.